CLAIM LISTING

This listing of claims replaces all prior versions, and listings, of claims in the application:

- 1. (Previously Presented) A protected component for use in a molten metal bath, the protected component including a non-coated component and a protective coating and made by the process of: (a) placing a protective coating on a non-coated component, wherein a space exists between the non-coated component and the protective coating; (b) injecting uncured cement into the space wherein at least some of the uncured cement is injected into the space through either one or more channels in the non-coated component or one or more openings in the protective coating; and (c) allowing the uncured cement to cure, thus adhering the non-coated component to the protective coating.
- 2. (Original) The protected component of claim 1 wherein at least some of the uncured cement is injected into the space through a channel in the non-coated component.
- 3. (Original) The protected component of claim 1 wherein at least some of the uncured cement is injected into the space through an opening in the protective coating.
- 4. (Original) The protected component of claim 1 wherein the protective coating is positioned on the non-coated component by a beveled lip formed on the non-coated component.
- 5. (Original) The protected component of claim 4 wherein there is a gasket between the beveled lip and the protective coating.
- 6. (Original) The protected component of claim 1 wherein a gasket is positioned between the protective coating and the non-coated component.
- 7. (Original) The protected component of claim 1 wherein the non-coated component is comprised of graphite.
- 8. (Original) The protected component of claim 1 wherein the protective coating covers only part of the non-coated component.

- 9. (Original) The protected component of claim 1 wherein the component is a support post.
- 10. (Original) The protected component of claim 1 wherein the protective coating is comprised of ceramic.
- 11. (Original) The protected component of claim 10 wherein the protective coating is comprised of one or more of the group consisting of nitride-bonded silicon carbide and aluminum oxide.
- 12. (Original) The protected component of claim 1 wherein the non-coated component is centered inside the protective coating.
- 13. (Original) The protected component of claim 1 wherein the protective coating has a uniform thickness.
- 14. (Original) The protected component of claim 1 which is a rotor shaft for a molten metal pump.
- 15. (Original) The protected component of claim 1 which is a rotor shaft for a rotary degasser.
- 16. (Original) The protected component of claim 1 which is a rotor shaft for a scrap melter.
- 17. (Original) The protected component of claim 1 which is a support post for a molten metal pump.
- 18. (Original) The protected component of claim 1 which is a metal-transfer conduit for a molten metal pump.
- 19. (Original) The protected component of claim 1 which is a gas-transfer conduit for a

molten metal pump.

- 20. (Original) The protected component of claim 1 which is a pump base for a molten metal pump.
- 21. (Original) The protected component of claim 1 which is a rotor for a molten metal pump.
- 22. (Original) A device for pumping or otherwise conveying molten metal, the device including: (a) a superstructure supporting a drive source; (b) a drive shaft having a first end and a second end, the first end connected to the drive source; (c) a pump base including an inlet, a pump chamber, and a discharge; (d) one or more support posts connecting the pump base to the superstructure; and (e) an impeller attached to the second end of the drive shaft, the impeller positioned at least partially within the pump chamber; wherein one or more of the group consisting of: the drive shaft, the pump base, the one or more support posts and the impeller is a protected component according to claim 1.
- 23. (Original) The device of claim 22 wherein the drive shaft comprises: (a) a motor shaft having a first end and a second end, the first end connected to the drive source; (b) a coupling having a first coupling member and a second coupling member, the first coupling member connected to the second end of the motor shaft, and (c) a rotor shaft having a first end and second end, the first end of the rotor shaft connected to the second coupling member and the second end of the rotor shaft connected to the rotor.
- 24. (Original) The device of claim 22 that further includes a gas-transfer conduit having a first end connected to a gas source and a second end for releasing gas into molten metal.
- 25. (Original) The device of claim 24 wherein the gas-transfer conduit is a protected component according to claim 1.
- 26. (Original) The device of claim 22 that further includes a metal-transfer conduit downstream of the discharge.

- 27. (Original) The device of claim 26 wherein the metal-transfer conduit is a protected component according to claim 1.
- 28. (Original) The device of claim 26 that further includes a gas-transfer conduit having a first end connected to a gas source and a second end for releasing gas into molten metal.
- 29. (Original) The device of claim 22 wherein each protected component includes a non-coated component comprised of graphite.
- 30. (Original) The device of claim 29 wherein each protected component includes a protective coating comprising a material selected from one or more of the group consisting of nitride-bonded silicon carbide and aluminum oxide.
- 31. (Original) The device of claim 22 wherein the non-coated component of each protected component is only partially covered with the protective coating.
- 32. (Original) The device of claim 22 wherein the rotor shaft is a protected component according to claim 1.
- 33. (Original) The device of claim 22 wherein one of the one or more support posts is a protected component according to claim 1.
- 34. (Original) A device for use in molten metal, the device including: (a) a drive source; (b) a drive shaft having a first end connected to the drive source and a second end; and (c) an impeller connected to the second end of the drive shaft. wherein one or more of the group consisting of the drive shaft and the impeller is a protected component according to claim 1.
- 35. (Original) The device of claim 34 wherein the device is a rotary degasser.
- 36. (Original) The device of claim 34 wherein the device is a scrap melter.

- 37. (Original) The device of claim 34 wherein the drive shaft is a protected component according to claim 1 and includes a non-coated component comprised of graphite and a protective coating comprised of one or more of the group consisting of nitride-bonded silicon carbide and aluminum oxide.
- 38. (Original) The device of claim 37 wherein the protective coating covers part of the non-coated component.
- 39. (Original) The device of claim 34 wherein the impeller is a protected component according to claim 1.
- 40-54. (Cancelled).